



PTO-1449

**INFORMATION DISCLOSURE
STATEMENT**

DOCKET NO.: 700157/48436 SERIAL NO.: 09/446,820

APPLICANT(S): Sodroski et al.

FILING DATE: 11/10/98 GROUP NO.: 1648

UNITED STATES PATENT DOCUMENTS

| EXAM. INITIAL S | | DOCUME NT NUMBER | DATE | INVENTOR/ ASSIGNEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-----------------------|----|------------------------|--------------|-----------------------|-------|----------|-------------------------------|
| | AA | 45,817,316 | Oct. 6, 1998 | | | | JUL 06 2004 |
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FOREIGN PATENT DOCUMENTS

| | | DOCUME NT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSL ATION YES/NO |
|--|----|------------------------|------|---------|-------|----------|---------------------------|
| | BA | | | | | | |
| | BB | | | | | | |
| | BC | | | | | | |
| | BD | | | | | | |
| | BE | | | | | | |

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

| | | |
|---|----|--|
| | CA | Alkhatib, G., et al., <i>Science</i> 272:1955-1958 (1996) |
| | CB | Allan, JS., et al., <i>Science</i> 228:1091-1093 (1985) |
| | CC | Altschul, SF., et al., <i>Nucleic Acids Res.</i> 25: 3389-3402 (1997) |
| | CD | Arendrup, et al., <i>J. AIDS</i> 5:303-307 (1992) |
| | CE | Arthos, J., et al., <i>Cell</i> 57:469 (1989) |
| | CF | Baggioline, M., et al., <i>Adv. Immunol.</i> 55:97-179 (1994) |
| | CG | Barre-Sinoussi, F., et al., <i>Science</i> 220:868-871 (1983) |
| | CH | Berkower, et al., <i>J. Exp. Med.</i> 170:1681-1695 (1989) |
| | CI | Berman, PW., et al., <i>Nature</i> 345:622-625 (1990) |
| | CJ | Binley, J., et al., <i>AIDS Res. Hum. Retroviruses</i> , 14:191-198 (1997) |
| | CK | Bolmstedt, A., et al., <i>J. AIDS</i> 12:213-220 (1996) |
| ▼ | CL | Brodsky, MH., et al., <i>J Immunol.</i> 144:3078-3086 (1990) |
| ▼ | CM | Bruck, et al., <i>Vaccine</i> 12:1141-1148 (1994) |



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| | | | |
|---|----|---|---------------------------------------|
| | CN | Bullough, P., et al., <i>Nature</i> 371:37-43 (1994) | JUL 06 2004 |
| | CO | Burton, et al., <i>Science</i> 266:1024-1027 (1994) | RECEIVED PATENT & TRADEMARK OFFICE |
| | CP | Cao, J., et al., <i>J. Virol.</i> 71:9808-9812 (1997) | |
| | CQ | Carr, CM., et al., <i>Cell</i> 73:823-832 (1993) | |
| | CR | Chan, DC., et al., <i>Cell</i> 89:263-273 (1997) | |
| | CS | Chen, CH., et al., <i>J. Virol.</i> 69:3771-3777 (1995) | |
| | CT | Chen, Z., et al., <i>J. Virol.</i> 71:2705-2714 (1997) | |
| | CU | Cheng-Mayer, C., et al., <i>Science</i> 240:80-82 (1988) | |
| | CV | Choe, H., et al., <i>Cell</i> 85:1135-1148 (1996) | |
| | CW | Clark, SJ, et al., <i>N. Engl. J. Med.</i> 324:950-960 (1991) | |
| | CX | Cocchi, F., et al., <i>Nature Med.</i> 2:1244-1247 (1996) | |
| | CY | Cocchi, F., et al., <i>Science</i> 270:1811-1815 (1995) | |
| | CZ | Connor, R., et al., <i>J. Exp. Med.</i> 185:628 (1997) | |
| | DA | Connor, RL., et al., <i>J. Virol.</i> 67:1772-1778 (1993) | |
| | DB | Coombs, RW., et al., <i>N. Engl. J. Med.</i> 321:1626-1631 (1989) | |
| | DC | Cordonnier, A., et al., <i>Nature</i> 340:571-574 (1989) | |
| | DD | D'Souza, et al., <i>J. Infect. Dis.</i> 175: 1056-1062 (1997) | |
| | DE | Daar, ES., et al., <i>N. Engl. J. Med.</i> 324:961-964 (1991) | |
| | DF | Daar, et al., <i>Proc. Natl. Acad. Sci. USA</i> 87:6574-6578 (1990) | |
| | DG | Dalgleish, AG., et al., <i>Nature</i> 312:763-767 (1984) | |
| | DH | Dalum, et al., <i>Mol. Immunol.</i> 34:1113-1120 (1997) | |
| | DI | Davidson, et al., <i>Nat. Genet.</i> 3:219 (1993) | |
| | DJ | Dean, M., et al., <i>Science</i> 273:1856-1862 (1996) | |
| | DK | Dempsey, P., et al., <i>Science</i> 271:348-350 (1996) | |
| | DL | Deng, HK., et al., <i>Nature</i> 381:661-666 (1996) | |
| | DM | Doranz, BJ., et al., <i>Cell</i> 85:1149-1158 (1996) | |
| | DN | Dragic, T., et al., <i>Nature</i> 381:667-673 (1996) | |
| ▼ | DO | Earl, PL., et al., <i>J. Virol.</i> 65:2047-2055 (1991) | |

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| DP | Earl, PL., et al., <i>Proc. Natl. Acad. Sci. USA</i> 87:648-652 (1990) |
| DQ | Emini, et al., <i>Nature</i> 355:728-730 (1991) |
| DR | Fauci, AS., et al., <i>Ann. Inter. Med.</i> 124:654-663 (1996) |
| DS | Feng, Y., et al., <i>Science</i> 272:872-877 (1996) |
| DT | Fenyo, E., et al., <i>J. Virol.</i> 62:4414-4419 (1988) |
| DU | Freed, E., et al., <i>Proc. Natl. Acad. Sci. USA</i> 87:4650-4654 (1990) |
| DV | Fung, et al., <i>J. Virol.</i> 66:848-856 (1992) |
| DW | Gallo, RC., et al., <i>Science</i> 224:500-503 (1984) |
| DX | Gegerfelt, et al., <i>Virology</i> 185:162-168 (1991) |
| DY | Geller, AI., et al., <i>J. Neurochem</i> 64:487 (1995) |
| DZ | Geller, AI., et al., <i>Proc Natl. Acad. Sci. U.S.A.</i> 87:1149 (1990) |
| EA | Geller, AI., et al., <i>Proc Natl. Acad. Sci. U.S.A.</i> 90:7603 (1993) |
| EB | Gerard, N., et al., <i>Curr. Opin. Immunol.</i> 6:140-145 (1994) |
| EC | Girard, et al., <i>Proc. Natl. Acad. Sci. USA</i> 88:542-546 (1991) |
| ED | Gorny, et al., <i>J. Virol.</i> 66:7538-7542 (1992) |
| EE | Haigwood, et al., <i>AIDS Res. Hum. Retro.</i> 6:855-869 (1990) |
| EF | Haigwood, et al., <i>J. Virol.</i> 66:172-182 (1992) |
| EG | Ho, DD., et al., <i>N. Engl. J. Med.</i> 321:1621-1625 (1989) |
| EH | Ho, et al., <i>J. Virol.</i> 65:489-493 (1991) |
| EI | Javaherian, et al., <i>Science</i> 250:1590-1593 (1990) |
| EJ | Kang, et al., <i>Proc. Natl. Acad. Sci. USA</i> 88:6171-6175 (1991) |
| EK | Kaplitt, MG., et al., <i>Nat. Genet.</i> 8:148 (1994) |
| EL | Karlsson, G., et al., <i>J. Virol.</i> 71:4218 (1997) |
| EM | Klaniiecki, et al., <i>AIDS Res. Hum. Retro.</i> 7:791-798 (1991) |
| EN | Klatzmann, D., et al., <i>Nature London</i> 312:767-68 (1984) |
| EO | Kowalski, M., et al., <i>Science</i> 237:1351-1355 (1987) |
| EP | Lasky, L., et al., <i>Cell</i> 50:975-985 (1987) |
| EQ | LeGal LaSalle, et al., <i>Science</i> 259: 988 (1993) |



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| | ER | Leonard, CK., et al., <i>J. Biol. Chem.</i> 265:10373-10382 (1990) | ALL 06/2004 |
| | ES | Liu, R., et al., <i>Cell</i> 86:367-378 (1996) | TECH CENTER 1600-2000 |
| | ET | Lu, M., et al., <i>Nature Structural Biol.</i> 2:1075-1082 (1995) | |
| | EU | Marcon, L., et al., <i>J. Virol.</i> 71:2522-2527 (1997) | |
| | EV | Matthews, et al., <i>Proc. Natl. Acad. Sci. USA</i> 83:9709-9713 (1986) | |
| | EW | McKeating, et al., <i>J. Virol.</i> 67:4932-4944 (1993) | |
| | EX | McKeating, et al., <i>Virology</i> 190:134-142 (1992) | |
| | EY | Moebius, U., et al., <i>J. Exp. Med.</i> 176:507-517 (1982) | |
| | EZ | Moore, et al., <i>J. Virol.</i> 69:101-109 (1995) | |
| | FA | Moore, et al., <i>J. Virol.</i> 67:6136-6151 (1993) | |
| | FB | Moore, et al., <i>J. Virol.</i> 67:863-875 (1993) | |
| | FC | Moore, et al., <i>J. Virol.</i> 69:122-133 (1995) | |
| | FD | Moore, et al., <i>J. Virol.</i> 70:1863-1872 (1996) | |
| | FE | Moore, J., et al., <i>J. Virol.</i> 68:469-484 (1994) | |
| | FF | Moore, J., et al., <i>J. Virol.</i> 68:8350-8364 (1994) | |
| | FG | Muster, et al., <i>J. Virol.</i> 67:6642-6647 (1993) | |
| | FH | Myers, G., et al., "Human Retroviruses and AIDS: A Compilation and Analysis of Nucleic Acid and Amino Acid Sequences," <i>Los Alamos National Laboratory</i> , (1994) | |
| | FI | Nara, et al., <i>J. Virol.</i> 64:3779-3791 (1990) | |
| | FJ | Ohno, et al., <i>Proc. Natl. Acad. Sci. USA</i> 88:10726-10729 (1991) | |
| | FK | Olshevsky, U., et al., <i>J. Virol.</i> 64:5701-5707 (1990) | |
| | FL | Peterson, A., et al., <i>Cell</i> 54:65-72 (1988) | |
| | FM | Pinter, A., et al., <i>J. Virol.</i> 63:2674-2679 | |
| | FN | Pollard, S., et al., <i>EMBO J.</i> 11:585-591 (1992) | |
| | FO | Posner, et al., <i>J. Immunol.</i> 16:4325-4332 (1991) | |
| | FP | Premack, B.A., et al., <i>Nature Medicine</i> 11:1174-1178 (1996) | |
| | FQ | Profy, et al., <i>J. Immunol.</i> 144:4641-4647 (1990) | |
| ↓ | FR | Roben, P., et al., <i>J. Virol.</i> 68:4821-4828 (1994) | |

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| | | |
|---|----|---|
| 8 | FS | Robey, W., et al., <i>Proc. Natl. Acad. Sci. USA</i> 83:7023-7027 (1986) |
| | FT | Robey, WG., et al., <i>Science</i> 228:593-595 (1985) |
| | FU | Robinson, J., et al., <i>AIDS Res. Hum. Retro</i> 6:567-580 (1990) |
| | FV | Rusche, et al., <i>Proc. Natl. Acad. Sci. USA</i> 84:6924-6928 (1987) |
| | FW | Rusche, J., et al., <i>Proc. Natl. Acad. Sci. USA</i> 85:3198-3202 (1988) |
| | FX | Ryu, SE., et al., <i>Nature London</i> 348:419-425 (1990) |
| | FY | Samson, M., et al., <i>Nature</i> 382:722-725 (1996) |
| | FZ | Sattentau, Q., et al., <i>J. Exp. Med.</i> 174:407-415 (1991) |
| | GA | Sattentau, Q., et al., <i>J. Virol.</i> 67:7388-7393 (1993) |
| | GB | Sawyer, et al., <i>J. Virol.</i> 67:1342-1349 (1994) |
| | GC | Schuitemaker, H., et al., <i>J. Virol.</i> 66:1354-1360 (1991) |
| | GD | Speck, R., et al., <i>J. Virol.</i> 71:7136-7139 (1997) |
| | GE | Starcich, BR., et al., <i>Cell</i> 45:637-648 (1986) |
| | GF | Steimer, et al., <i>Science</i> 254:105-108 (1991) |
| | GG | Sullivan, et al., <i>J Virol.</i> 69:4413-4422 (1995) |
| | GH | Thali, et al., <i>J. Virol.</i> 65:6188-6193 (1991) |
| | GI | Thali, et al., <i>J. Virol.</i> 66:5635-5641 (1992) |
| | GJ | Thali, M., et al., <i>J. Virol.</i> 67:3978-3988 (1993) |
| | GK | Tilley, et al., <i>Res. Virol.</i> 142:247-259 (1991) |
| | GL | Trkola, A., et al., <i>J. Virol.</i> 70:1100-1108 (1996) |
| | GM | Trkola, A., et al., <i>Nature</i> 384: 184-187 (1996) |
| | GN | Wang, J., et al., <i>Nature London</i> 348:411-418 (1990) |
| | GO | Watkins, B., et al., <i>J. Virol.</i> 67:7493 (1993) |
| | GP | Weissenhorn, W., et al., <i>EMBO J.</i> 15:1507-1514 (1996) |
| | GQ | Weissenhorn, W., et al., <i>Nature</i> 387:426-430 (1997) |
| | GR | Wu, L., et al., <i>Nature</i> 384:179-183 (1996) |
| | GS | Wyatt, et al., <i>J. Virol.</i> 69:5723-5733 (1995) |
| 8 | GT | Wyatt, R., et al., <i>J. Virol.</i> 67:4557-4565 (1993) |



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| GU | Wyatt, R., et al., <i>J. Virol.</i> 71:9722-9731 (1997) |
| GV | Yang, et al., <i>J. Virol.</i> 69:2004 (1995) |
| GW | Zhang, L., et al., <i>Nature</i> 383:768 (1996) |
| GX | Zhu, T., et al., <i>Science</i> 261:1179-1181 (1993) |
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| EXAMINER: | DATE: 03/04/05 |